

A Project Presentation  
on  
**Blood Bank Management System**

**Submitted To:**

Department of Computer Science,  
City University.



**Submitted By:**

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**Internal Guide:**

**Md. Ataus Samad**  
**Biplob**

## PROJECT PROFILE

<b>Project Name</b>	Blood Bank Management System.
<b>Objective</b>	The system provide online information of blood bank and administrators can also all information about blood bank, donor, patient request and blood requirements.
<b>Platform</b>	Web application.
<b>Front End</b>	Java, Jsp, Servlet, CSS, & Javascript.
<b>Back End</b>	Microsoft Sql Sletterver 2008.
<b>Other Tools</b>	MS Office 2007 ,Visual studio.
<b>Internal Guide</b>	Md. Ataus Samad Biplob.
<b>Submitted To:</b>	Department of computer science, City University.
<b>Develop By:</b>	Mirajul Islam, Monir Hossain, Md. Abid Hasan, Sree. Shagar Chandra

## **EXISTING SYSTEM**

- Existing system is window Application.
- So much time consuming this application also one machine and one by one record stored.
- Single Blood bank information also no inquiry for directly Blood bank.

## **NEED FOR NEW SYSTEM**

- User view all Blood bank information is location wise.
- Donor easily donate the blood near Blood bank Location.
- Patient easily request for blood near Blood bank location
- In this system also supported inquiry form for user.

# **FUNCTION SPECIFICATION**

**1.Admin**

**2.Blood bank**

**3.Donor**

**4.Patient**

**ADMIN:-**

- Manage Registration for user
- Manage Blood bank information like (update, delete)
- Manage Donor Request for Donor
- Manage patient Request for needy people
- Manage Inquiry form for Appropriate Reply
- Manage feedback for Appropriate Reply

**BLOOD BANK:-**

- Blood bank information view/update
- View Donor information
- Manage Patient Blood Request.

**DONOR:-**

- Manage Donor information(profile)
- Add new Donation for Blood

**PATIENT:-**

- Manage patient information(profile)
- Give the Request for patient for blood

➤ **Software Specification :**

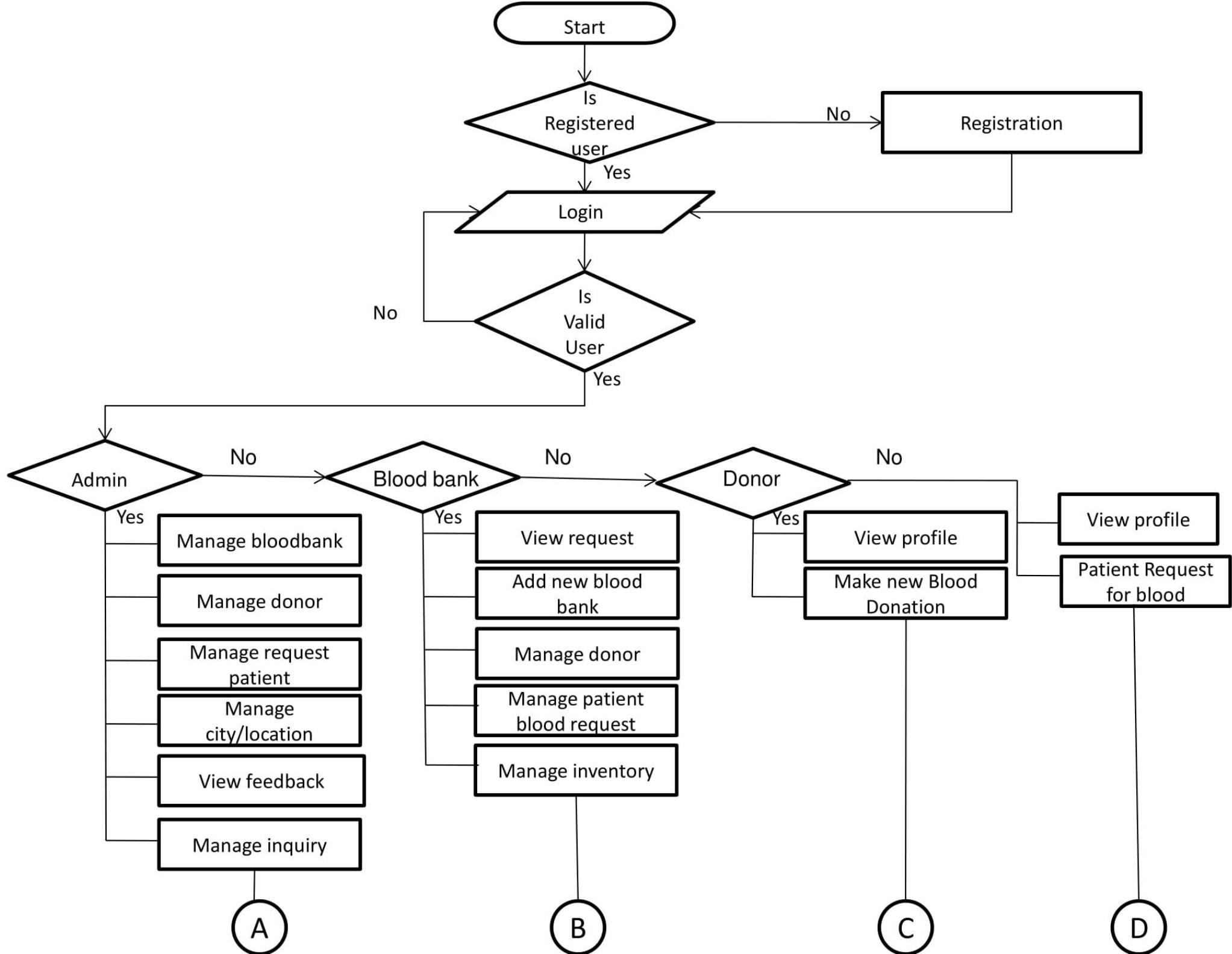
- **Server Side**

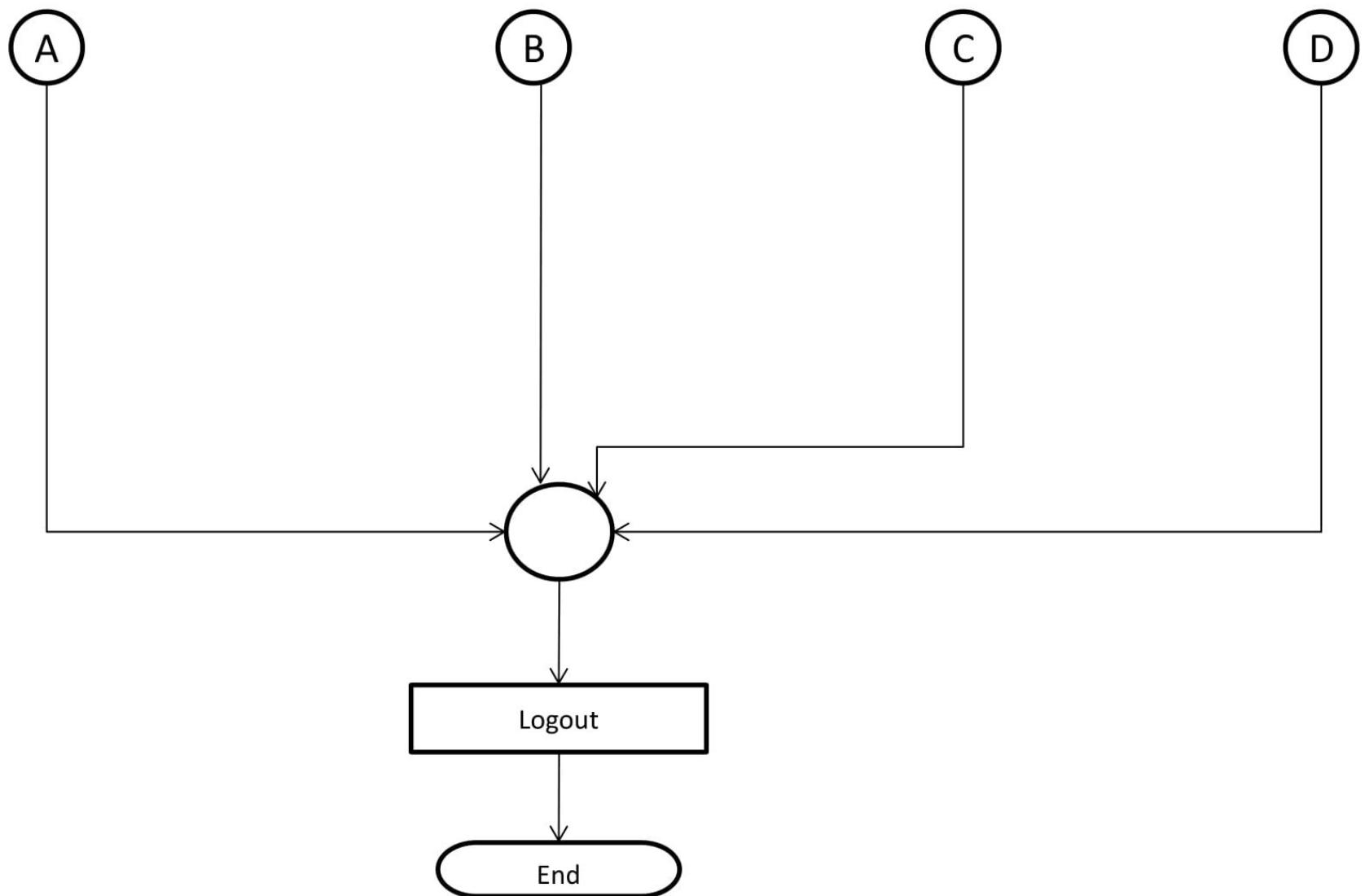
<b>Operating System</b>	Windows, Mac, Linux
<b>Runtime Environment</b>	.Net Framework 4.0
<b>Web Server</b>	127.0.0.1
<b>Front End</b>	Java, Jsp, Servlet, CSS, & Javascript.
<b>Back End</b>	Microsoft Sql Sleverver 2008.

- **Client Side**

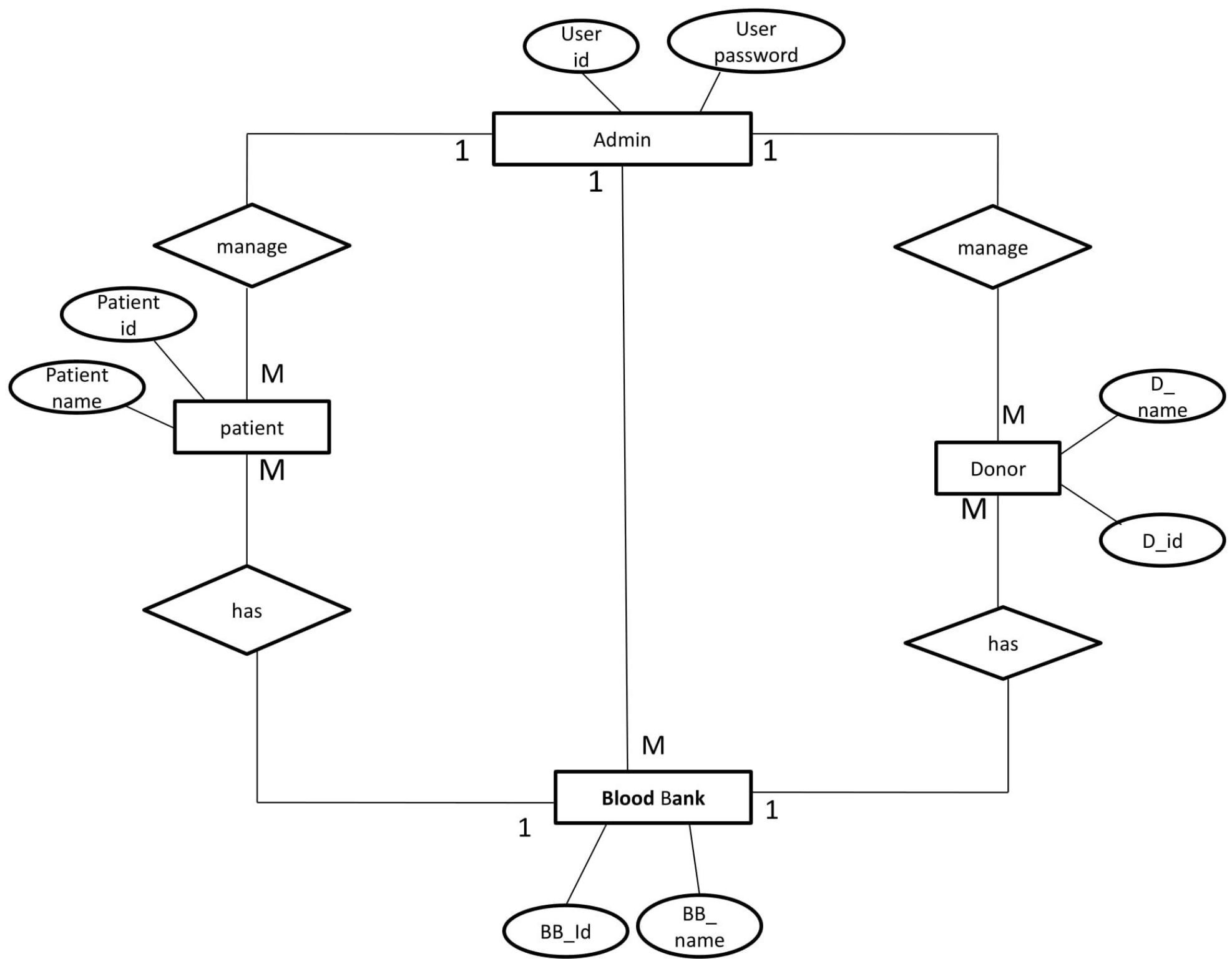
<b>Operating System</b>	Windows XP or any compatible OS
<b>Web Browser</b>	Internet Explorer 6.0 or any compatible web browser.

## **System Flow Chart**





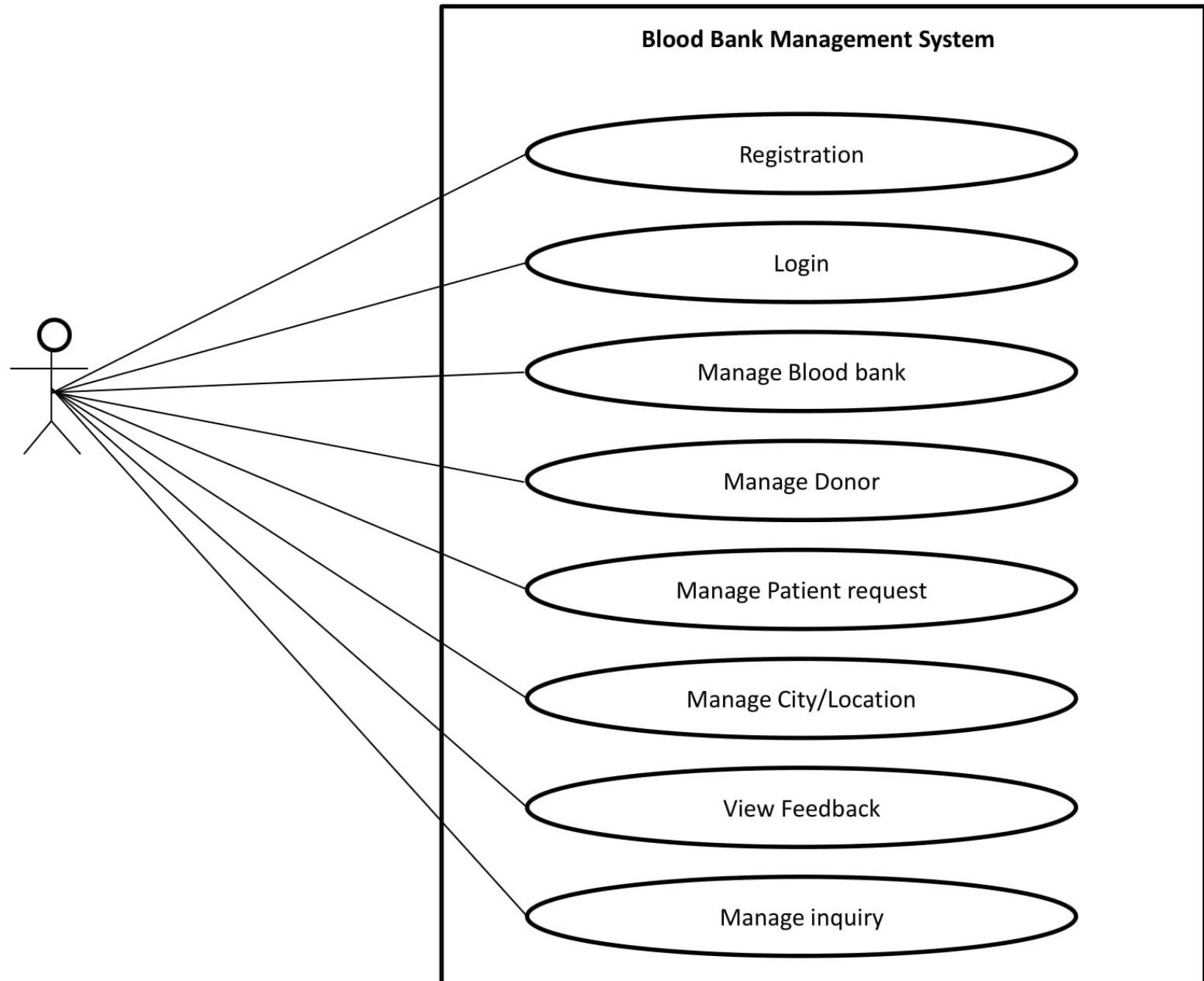
## **E-R Diagram**



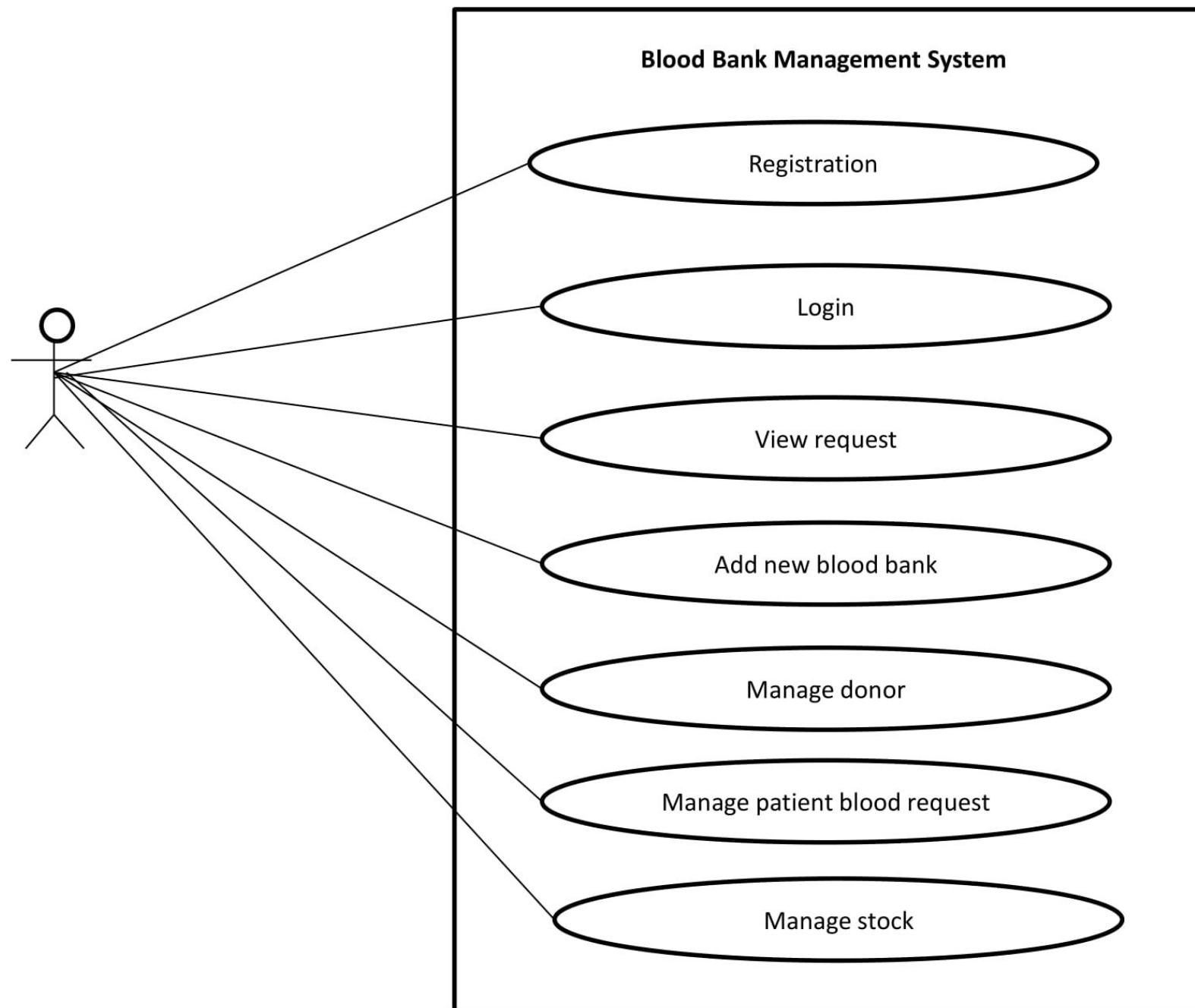
## **UML Diagram**

## Use case Diagram

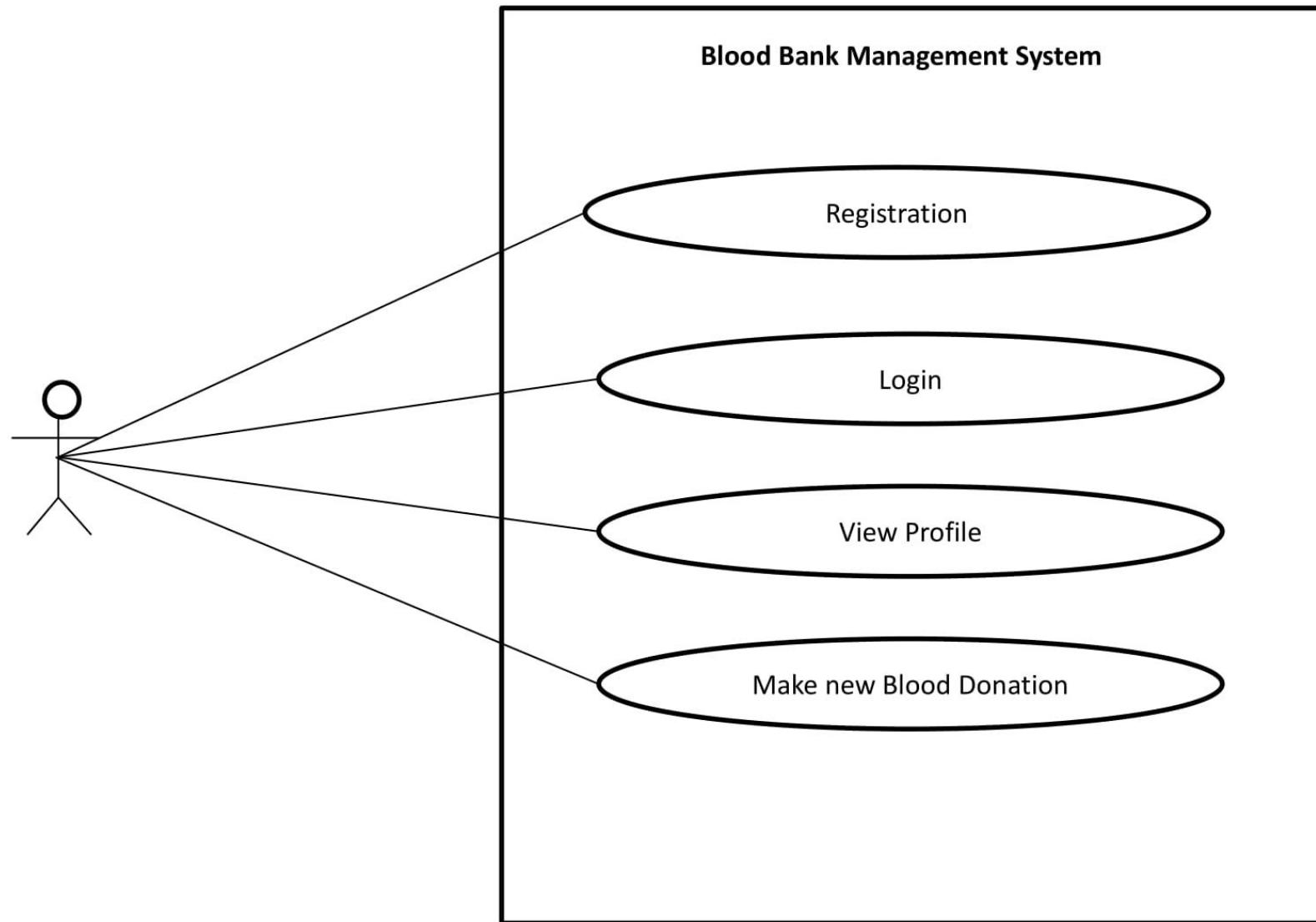
Admin:



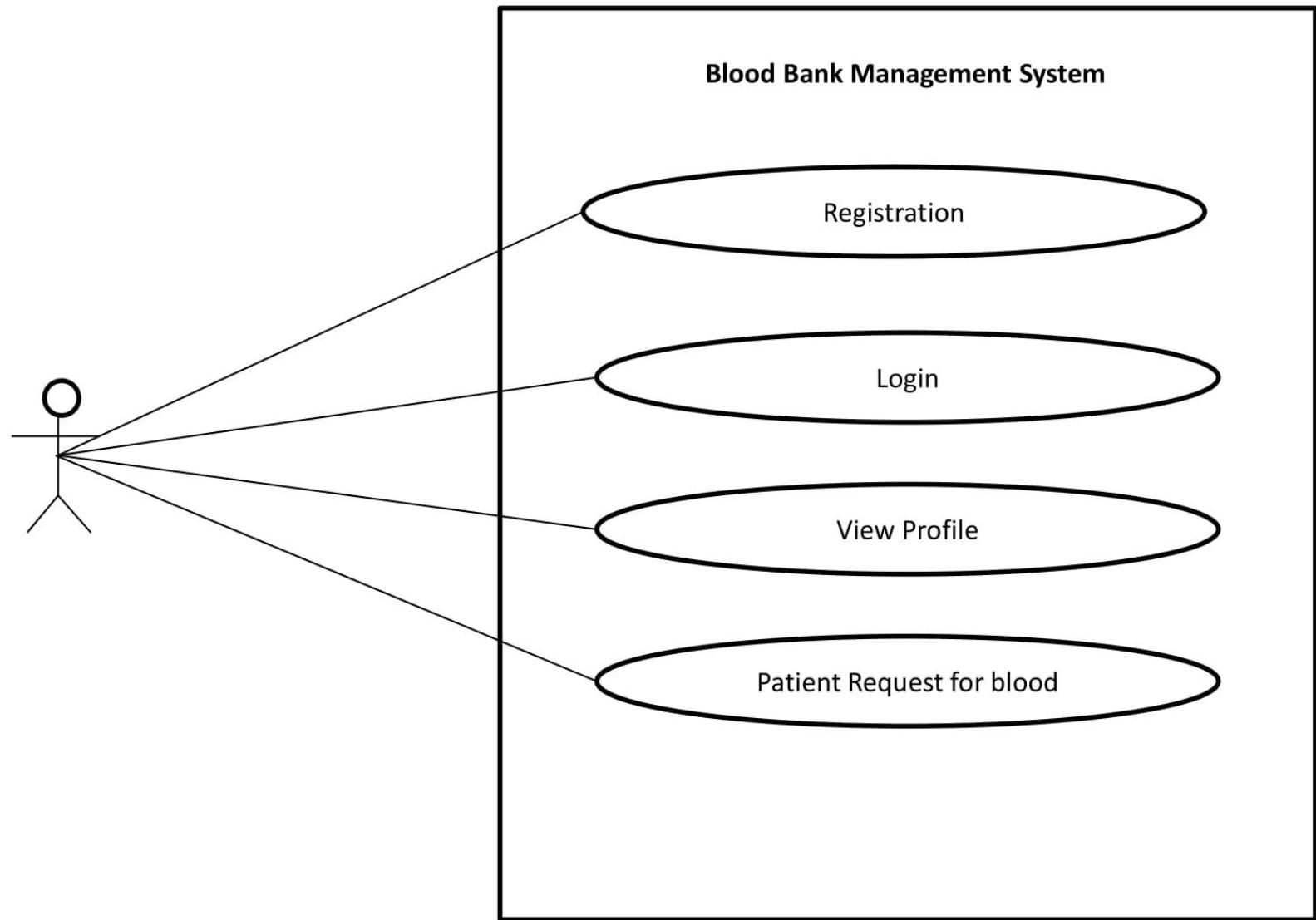
## Blood bank:



**Donor:**

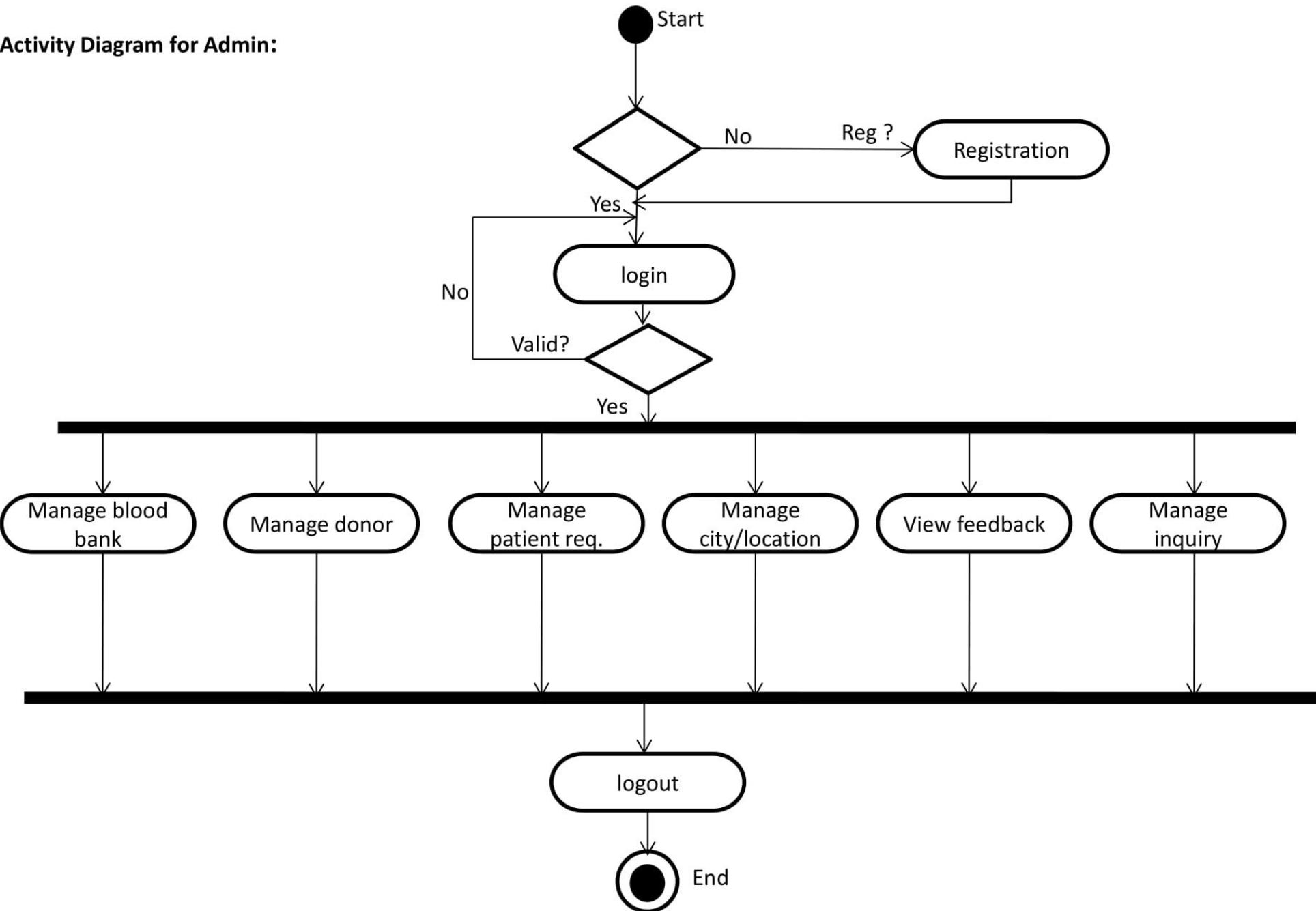


**Patient :**

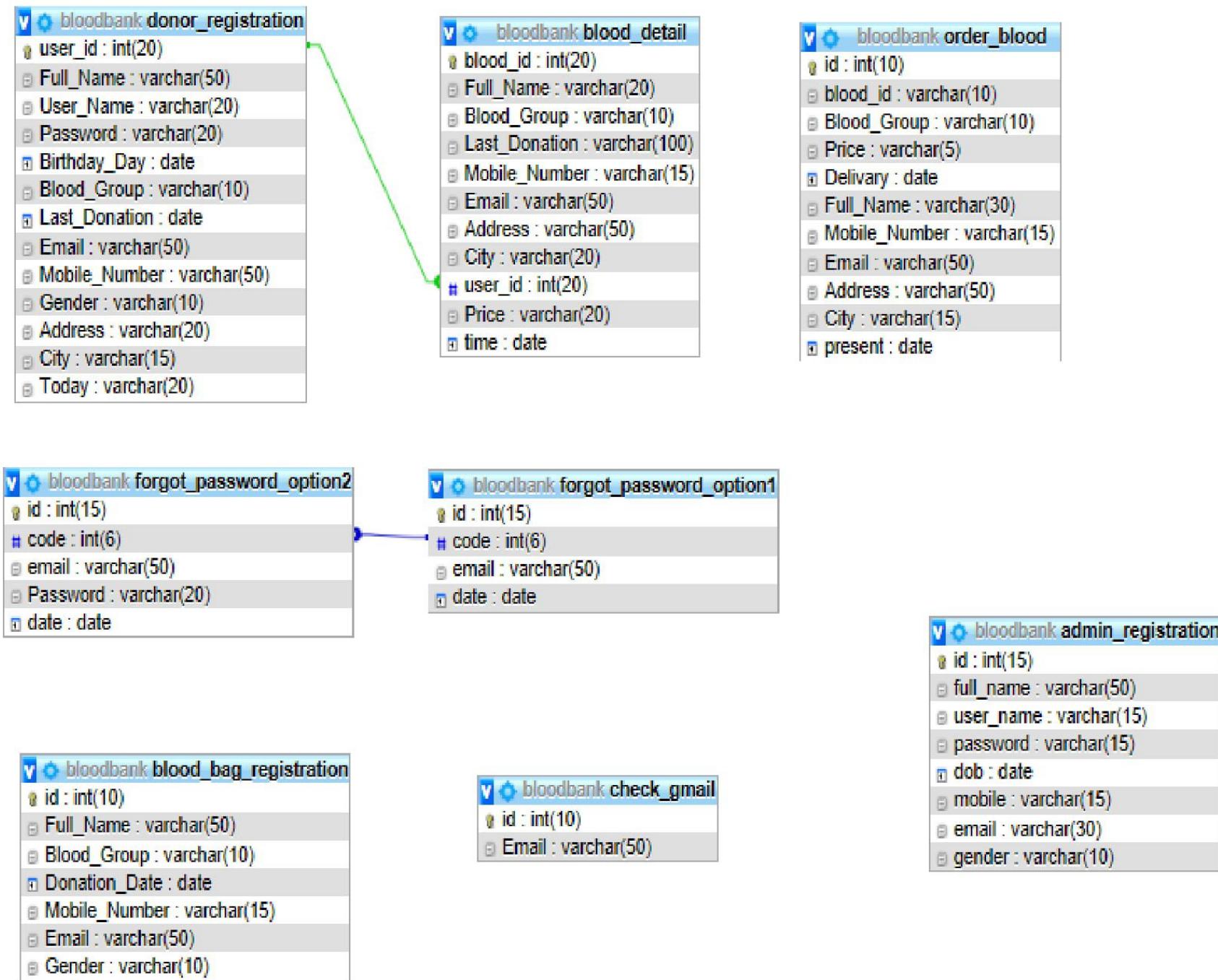


# Activity Diagram

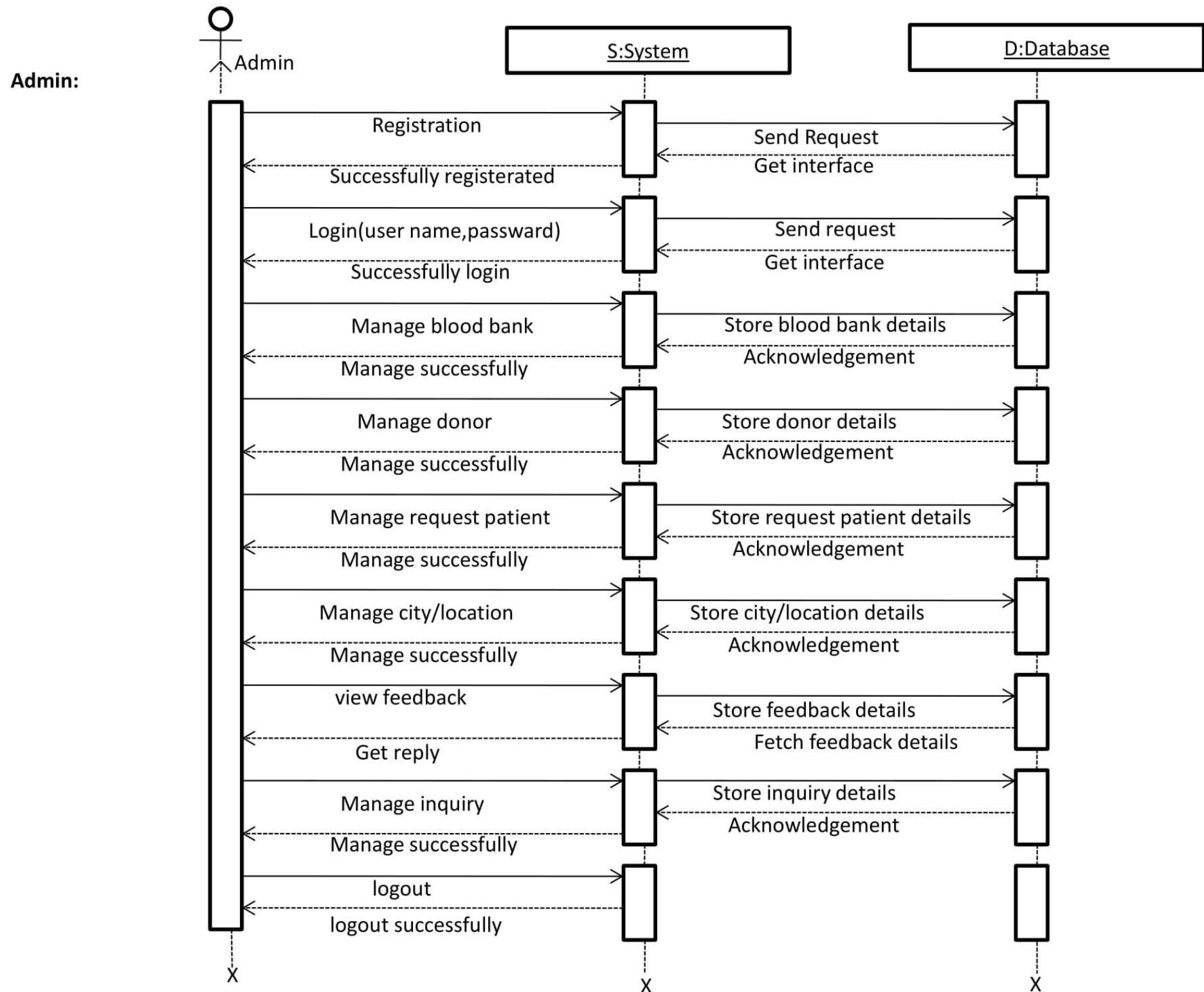
Activity Diagram for Admin:



## Class diagram



## **Sequence Diagram**



## Data Dictionary

### Options

	-T+		id	Full_Name	Blood_Group	Donation_Date	Mobile_Number	Email	Gender
<input type="checkbox"/>				140150121	Habib Hasan	O-	2018-06-28	01988556633	imran@gmail.com male

Check all    With selected:

### Options

	-T+		id	full_name	user_name	password	dob	mobile	email	gender
<input type="checkbox"/>				111122220	Mirajul Islam	mirajislam	miraj5746	1997-02-01	01780285746	mirajulislam5746@male
<input type="checkbox"/>				111122221	Aminulislam	aminulislam	aminul1122	1995-05-12	01747702071	aminulislam71@gmail.com male
<input type="checkbox"/>				111122222	Rajislam	mirajislam	miraj7993	1997-02-01	01952627993	mirajulislam7993@gmail.com male

Check all    With selected:

### Options

	-T+		id	full_name	user_name	password	dob	mobile	email	gender
<input type="checkbox"/>				111122220	Mirajul Islam	mirajislam	miraj5746	1997-02-01	01780285746	mirajulislam5746@male
<input type="checkbox"/>				111122221	Aminulislam	aminulislam	aminul1122	1995-05-12	01747702071	aminulislam71@gmail.com male
<input type="checkbox"/>				111122222	Rajislam	mirajislam	miraj7993	1997-02-01	01952627993	mirajulislam7993@gmail.com male

Check all    With selected:

## Options

				<b>id</b>	<b>code</b>	<b>email</b>	<b>date</b>
<input type="checkbox"/>	 Edit	 Copy	 Delete	101	464156	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	103	883843	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	104	721902	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	105	299583	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	106	494030	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	107	642762	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	108	981594	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	109	160110	mirajulislam5746@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	110	929028	hasanislam12@gamil.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	111	629525	hasanislam12@gamil.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	112	120267	mina@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	113	279132	mina@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	114	984342	mina@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	115	113884	mina@gmail.com	2018-06-04
<input type="checkbox"/>	 Edit	 Copy	 Delete	116	576235	mina@gmail.com	2018-06-04

## Options

	<input type="checkbox"/>	Edit	Copy	Delete	<b>id</b>	<b>code</b>	<b>email</b>	<b>Password</b>	<b>date</b>
	<input type="checkbox"/>	Edit	Copy	Delete	200	464156	mirajulislam5746@gmail.com	miraj5746	2018-06-04
	<input type="checkbox"/>	Edit	Copy	Delete	201	160110	mirajulislam5746@gmail.com	mirajislam	2018-06-04
	<input type="checkbox"/>	Edit	Copy	Delete	202	160110	mirajulislam5746@gmail.com	miraj	2018-06-04
	<input type="checkbox"/>	Edit	Copy	Delete	203	113884	mina@gmail.com	xxxxxx	2018-06-04
	<input type="checkbox"/>	Edit	Copy	Delete	204	163448	surovi@gmail.com	surovi1234	2018-06-05
	<input type="checkbox"/>	Edit	Copy	Delete	205	269878	mirajulislam7993@gmail.com	mirajislam7993	2018-06-05
	<input type="checkbox"/>	Edit	Copy	Delete	206	269878	mirajulislam7993@gmail.com	miraj7993	2018-06-05
	<input type="checkbox"/>	Edit	Copy	Delete	207	269878	mirajulislam7993@gmail.com	miraj7993	2018-06-05
	<input type="checkbox"/>	Edit	Copy	Delete	208	912324	mina@gmail.com	mina 1122	2018-06-13
	<input type="checkbox"/>	Edit	Copy	Delete	209	450231	mirajulislam5746@gmail.com	mirajislam	2018-06-24

## Options

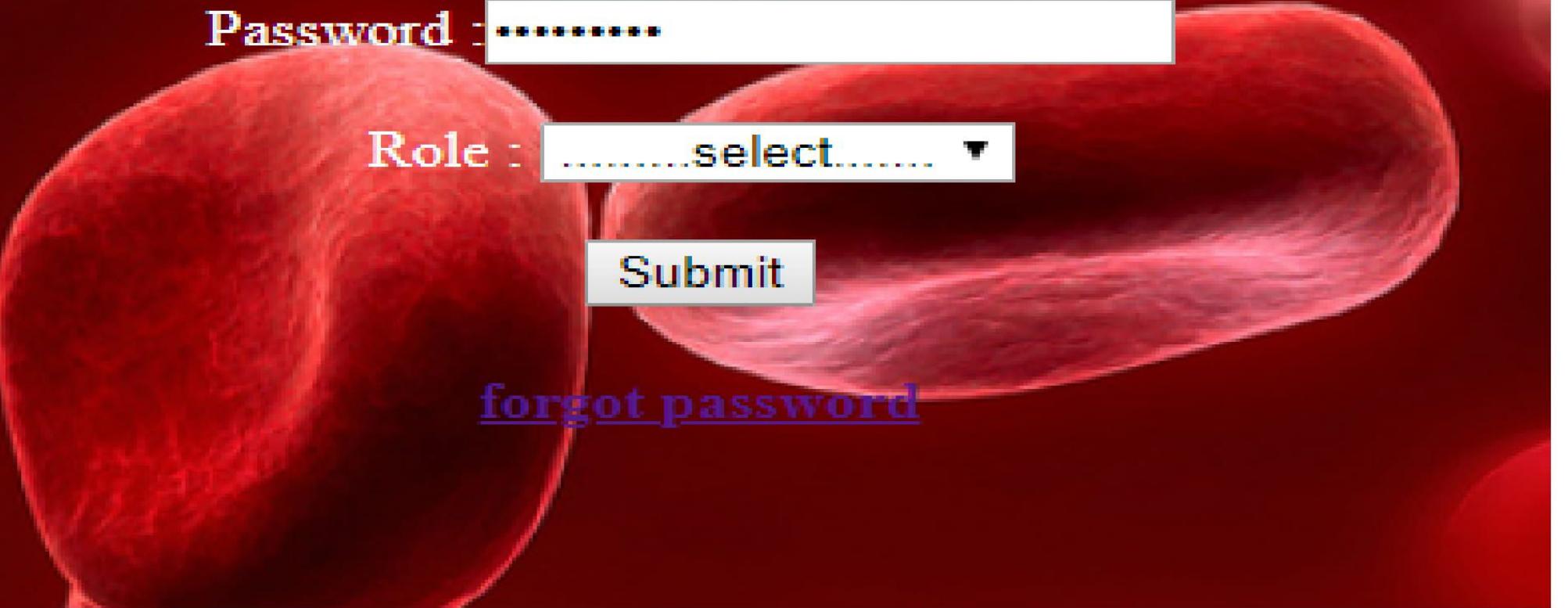
	<input type="checkbox"/>	Edit	Copy	Delete	<b>id</b>	<b>blood_id</b>	<b>Blood_Group</b>	<b>Price</b>	<b>Delivery</b>	<b>Full_Name</b>	<b>Mobile_Number</b>	<b>Email</b>	<b>Address</b>	<b>City</b>	<b>present</b>
	<input type="checkbox"/>	Edit	Copy	Delete	11001100					0000-00-00					0000-00-00
	<input type="checkbox"/>	Edit	Copy	Delete	11001102	110020	B+	null	2018-06-27	Sofiqul Islam	01956328788	sofiq12@gmail.com	Mirpur-10	Dhaka	2018-06-24
	<input type="checkbox"/>	Edit	Copy	Delete	11001103	110011	O-	null	2018-06-27	Imran Islam	01780285746	imran@gmail.com	Gulshan-2	Dhaka	2018-06-24
	<input type="checkbox"/>	Edit	Copy	Delete	11001104	110011	O-	null	2018-07-27	Habib Hasan	01956328788	habibislam@gmail.com	Gulshan-2	Dhaka	2018-07-01

## **INPUT DESIGN**

# Sign\_In

Fill the form below to get instant access

User Name : **mirajulislam5746@gmail.com**

Password : .....  
A background image showing several red blood cells against a dark red background, creating a medical or biological theme.

Role : .....select..... ▾

**Submit**

[forgot password](#)

# Donor Registration Form

**Full Name**

**User Name**

**Password**

**Date Of Birth**

(yyyy-mm-dd)

**Blood Group**

▼

**Last Donation**

(yyyy-mm-dd)

**Mobile Number**

**Email**

**Gender**

▼

**Your Location**

**City**

▼

# Admin Reg. Form.

Full Name

User Name

Password

Date Of Birth  yyyy-MM-dd (yyyy-mm-dd)

Mobile Number

Email

Gender

# Home Page

BLOOD\_BANK

HOME

REGISTRATION

SERVICES

CONTACT

LOGIN



# Search Blood

## Search Blood

Blood Group	O-
Location	Gulshan-2
City	Dhaka
<input type="button" value="Search"/>	

## Detail

Blood_id	Blood_Group	Last_Donation	Price	Donor Profile	Order
110011	O-	2018-02-01	null	<input type="button" value="View"/>	<input type="button" value="Order"/>

Blood\_Id:

Full\_name:

Blood\_Group:

Last\_Donation:

Mobile\_Number:

Email:

Address:

City:

## New Bag Ready

Blood\_Id:

Blood\_Group:

Price:

Delivery Date:  (yyyy-mm-dd)

Your\_Name:

Your\_Mobile:

Your\_Email:

Your\_Address:

Your\_City:

Order Successfully . 12 hour after conformation mail check.

# Admin Page

- [Create Admin](#)
- [New Registration](#)
- [New Donor Add](#)
- [Total Ready Donor](#)
- [Order Check](#)
- [Delivery](#)
- [Search Blood](#)
- [ReadyBag](#)
- [Donor Detail](#)

## Detail

Blood_id	Blood_Group	Last_Donation	Price	Donor Profile
110011	O-	2018-02-01	null	<a href="#">View</a>
110019	B+	2018-03-24	null	<a href="#">View</a>
110020	B+	2018-02-24	null	<a href="#">View</a>
110029	A-	2018-03-24	399	<a href="#">View</a>
110030	AB-	2018-01-09	399	<a href="#">View</a>
110031	A-	2018-03-25	599	<a href="#">View</a>
110032	AB-	2018-02-24	599	<a href="#">View</a>
110033	AB-	2018-02-24	699	<a href="#">View</a>

## Order

Blood_id	Blood_Group	Price	Delivery Date	Customer_name	Customer_Mobile	Customer_Email	Customer_Address	Customer_City	Search Donor
110011	O-	null	2018-07-27	Habib Hasan	01956328788	habibhasan@gmail.com	Gulshan-2	Dhaka	<input type="button" value="Search"/>

## Search Blood

Blood Group	<input type="text" value="O-"/>
Customer Name	<input type="text" value="Habib Hasan"/>
Delivery Date	<input type="text" value="2018-07-27"/>
<input type="button" value="Search"/>	

## Detail

Full_Name	Blood_Group	Donation Date	Mobile	Email	Gender
Habib Hasan	O-	2018-06-28	01988556633	imran@gmail.com	male

## Detail

Blood_Group	Price	Delivery Date	Full Name	Mobile	Address	City	Delivery
O-	null	2018-07-27	Habib Hasan	01956328788	Gulshan-2	Dhaka	<input type="button" value="Delivery"/>

# Forgot Password

## Forgot Password

Enter Email:



Enter mail code:

Wrong email number use

Wrong code use



## Change Password

New Password:

Confirm Password:



Successfully Change

# This Is Database Table

Server: 127.0.0.1 > Database: bloodbank

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
admin_registration	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	3	InnoDB	latin1_swedish_ci	16 KiB	-
blood_bag_registration	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	1	InnoDB	latin1_swedish_ci	16 KiB	-
blood_detail	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	12	InnoDB	latin1_swedish_ci	32 KiB	-
check_gmail	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	latin1_swedish_ci	16 KiB	-
donor_registration	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	16	InnoDB	latin1_swedish_ci	16 KiB	-
forgot_password_option1	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	21	InnoDB	latin1_swedish_ci	32 KiB	-
forgot_password_option2	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	12	InnoDB	latin1_swedish_ci	32 KiB	-
order_blood	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	latin1_swedish_ci	16 KiB	-
8 tables	Sum	73	InnoDB	latin1_swedish_ci	176 KiB	0 B

Check all

# Every Blood Donor Is A Hero

*Thank you*



## **FEATURE ENHANCEMENTS**

- Through online directory user can search any blood bank data by location.
- User can also message module.
- User can see this website and search blood bank.
- This website can manage and create their own information.

## **BIBLIOGRAPHY**

Referring online manual from web-site:

[www.w3schools.com](http://www.w3schools.com)  
[www.javatpoint.com](http://www.javatpoint.com)  
[www.javacode.com](http://www.javacode.com)